

Message

From: Caporale, Cynthia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=41A46D7389E84EAAB7D4727C1C5604F1-CCAPORAL]
Sent: 10/18/2016 8:03:24 PM
To: Gregg, Diane [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=99d8ef9be3064801844c0d39db504c68-Gregg, Diane]; Strynar, Mark [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=5a9910d5b38e471497bd875fd329a20a-Strynar, Mark]; France, Danny [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=2ea6b0627f864f7aa4b237db0d581671-France, Danny]; Sivertsen, Scott [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=56a8b664924a40e18766f1c843eec111-Sivertsen, Scott]; Smith, Terry [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=75d3417b138442dd9f93b4a428b6dd3f-TNSMITH]; Fitz-James, Schatzi [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=91ad13b033f14eda8364bded00eafa8c-Fitz-James, Schatzi]; Zawlocki, Chris [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=def31fb2341943caa45b05bbe757cf6c-Zawlocki, Chris]; Zintek, Lawrence [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=e39c321c67f347f2922cb1a6b2001b90-LZintek]; Wesolowski, Dennis [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=066e7ab5024b4dca82163f56e265e34e-Dewesolo]; Costa, Karen [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=337185f064664b38b569990d5b129e51-Costa, Kare]; Acheson, Carolyn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=27c812fc597e417099f17f4e9a8af12e-Acheson, Carolyn]; Grimmatt, Paul [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dd2a2c58dcfb4fe39ec0b91c316c9c19-Grimmett, Paul]; Hanley, Adrian [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=3bcc6b68723e4c6e835d3a70181cff2e-Hanley, Adrian]; Yang, Shen-Yi [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0b2b2ee18b7b47bd9345281c9006bd19-SYANG]; Greenberg, Marc [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b184bc756ee54f6dbf83d964fc92b11a-msgreenb]; Singhvi, Raj [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=288964c8e3a342cc8f6b84104a9b322c-rsinghvi]; Impellitteri, Christopher [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a2b830d5f8c64e99aa47f508e871ffd4-Impellitteri, Chistopher]
Subject: FW: information of polyfluor ethers and definition of isotope dilution
Attachments: Strynar et al., 2015 ES&T.pdf; strynar et al., 2015 SI.pdf; Stable isotope dilution quantitation of PFAS in water sample.docx

All,

Please see attached for Mark's write-up for isotope dilution definition and papers on the polyfluor ethers.

Cindy

From: Strynar, Mark
Sent: Friday, October 14, 2016 10:07 AM
To: Caporale, Cynthia <Caporale.Cynthia@epa.gov>
Cc: Impellitteri, Christopher <Impellitteri.Christopher@epa.gov>; Smith, Terry <Smith.Terry@epa.gov>
Subject: information of polyfluor ethers and definition of isotope dilution

Cindy,

Please distribute this to the group.

Find attached a recent paper by myself and colleagues reporting on the detection of a new class of polyfluorinated ether compounds in the Cape Fear River in North Carolina.

We have a couple of follow-up papers coming out soon (Mei Sun lead author from Detlef Knappe's group at NS State) showing presence of these new compounds in finished drinking water in Wilmington, NC and removal efficiencies of treatment technologies. This is the paper Chris was referring to yesterday.

A second paper is soon to be cleared for submission reporting on the detection of another class of poly fluorinated compounds detected on the Tennessee River near Decatur AL. The lead author is Seth Newton. These compounds unlike polyfluoro ethers, have repeating units of CF_2CH_2 as the backbone of the chemicals. We find a homologous series in water samples nearby locations with historical PFAS production and contamination issues.

Also find attached my write up on what I think is stable isotope dilution quantitation in water samples. It may be too long but it captures what we do in my lab. Please feel free to comment/distribute

Mark